



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3801-1

Job Sheet 169301



Job# 169569
Qty 3

Part No: D3801-1

Job Qty: 20 ea

Part Name: Hand Retractable Spring Plunger



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/6/17

Job Tracking No:

Due Date: 12/19/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Heliswiss Iberica SA (CHELI02)

Hangar 4, Lado Norte, Aeropuerto De Sabadell, Barcelona Sabadell, , 08205 Spain ph:011 34 93 720 6090
fx:34-937-100130.

Note: DWG REV B IPP Rev:A 08-07-22 new issue DD verified by:EC IPP REV:B 12.03.06 AS PER DWG REV.B DD
VERF:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	20 pcs	12/19/17	12/19/17	0.00	0.00	Purchasing		
110	Packaging	20 pcs	12/19/17	12/19/17	0.00	0.00	Packaging2		
120	QC	20 pcs	12/19/17	12/19/17	0.00	0.00	QC6		
130	Packaging	20 pcs	12/19/17	12/19/17	0.00	0.00	Packaging3-1		
140	QC21-SA	20 Ea	12/19/17	12/19/17	0.00	0.00	QC21		

Part Op 100 - Issue P/O: 03820 Purchase Part Number: KBP-504 Supplier: Essentra VC
Descriptions: 110 - Ensure material certification is attached
120 - Ensure Material certification comply to Dwg D3801

DEC 13 2017
DEC 08 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	KBP-504	20	0	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

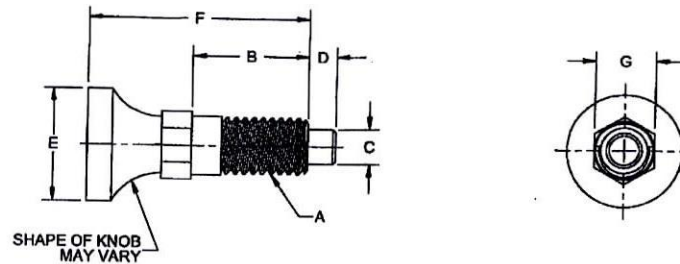
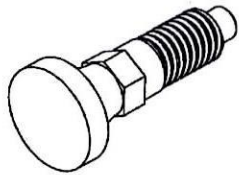
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____ De _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
 S021450 Hand Retractable Spring Plunger PART NO: D3801 - 1 Revision: Operation: Packaging Change No:		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632 - 5200 Email: sales@dartaero.com www.dartaerospace.com		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root C Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

SPECIFICATION CONTROL DRAWING



D3801-X HAND RETRACTABLE SPRING PLUNGER

DART P/N	SUPPLIER	SUPPLIER P/N	'A' THREAD SIZE	'B' THREAD LENGTH	'C' NOSE DIAMETER	'D' NOSE LENGTH	'E' HEAD DIAMETER	'F' LENGTH	'G' WIDTH ACCROSS FLATS	MATERIAL (BODY/ NOSE)	MATERIAL (KNOB)	TYPE	END FORCE (lbs)	WEIGHT (lbs)
D3801-1	REID SUPPLY COMPANY	KBP-504	3/8-24 UNF	0.67	0.197	0.20	0.83	1.71	0.50	303 SS	BLACK DELRIN	NON-LOCKING	2.7	0.01
D3801-3	REID SUPPLY COMPANY	PRT-22 OR PRT-22N	1/2-13 UNC	1.00	0.313	0.25	1.00	1.90	0.52	303 SS	WHITE DELRIN	NON-LOCKING	1.75	0.02

△B

△B

- NOTES:
- 1) MATERIAL: SEE TABLE
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A

B	SUPPLIER P/N CHANGED: BODY/NOSE MAT'L WAS STEEL NOW STAINLESS STEEL. REF. CAR12-86		MB	12.02.24
A	NEW ISSUE		MB	08.06.19
REV.	DESCRIPTION		BY	DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	DRAWING NO. D3801		REV. B	
CHECKED	SHEET 1 OF 1			
MFG. APPR.	TITLE: SCALE			
APPROVED	HAND RETRACTABLE SPRING PLUNGER NTS			
DE APPR.	DATE 12.02.24			
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RELEASED
2012-03-02



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038600

Supplier: ESS002-VC
Essentra Components
P.O. Box 9900 T-9915, Postal Station A
Toronto
ON
M5M 2J2 Canada

Attention: Farrelly, Jeff

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038600

PO Date: 12/8/17

Due Date: 12/15/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

*Line 2 revised
Essentra part #
added*

Items									
Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	CBL-460	Loop Sleeve	Firmed	12/15/17	100 pcs	0 pcs 100x	100 pcs	\$0.35/pcs	\$35.00
2	D3810-1P	Hand Plunger - Essentra P/N : PRSN-375SN As per Dwg D3810 Rev. A	Firmed	12/15/17	8 pcs	0 pcs	8 pcs	\$24.03/pcs	\$192.24
Line Item Note job# 169344									
3	KBP-504	Hand Retractable Spring Plunger As per Dwg D3801 Rev. B	Firmed	12/15/17	32 pcs	0 pcs x29	32 pcs	\$24.46/pcs	\$782.72
Line Item Note job# 169301									
4	BLRS-002	Quick Release Pin (3/16" X 1.5")	Firmed	12/15/17	12 pcs	0 pcs x12	12 pcs	\$41.589/pcs	\$499.07
5	KCL-208	Cam Lever As per Dwg D2372 Rev. B	Firmed	12/15/17	20 pcs	0 pcs x20	20 pcs	\$29.32/pcs	\$586.40
Line Item Note job# 169350									
6	CBL-1240	Cable	Firmed	12/15/17	100 ft	0 ft x100	100 ft	\$0.32/ft	\$32.00
Grand Total:									\$2,127.43

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS



Essentra Components
2538 Speers Road, Unit 7
Oakville, ON L6L 5K9
Phone: 905-825-0134
Fax: 905-825-2919
www.essentracomponents.com

Packing List
LOAD NUMBER **884694**
SID/INV 1839113
CUSTOMER PO PO038600
ORDER NUMBER 2539864
CARRIER Fed Ex Ground
SHIP DATE 12/12/17
FOB DESCRIPTION COL

SOLD TO 422854
DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

DELIVERY TO 422854
DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

LINE NO	PART NO. DESCRIPTION	ORIGINAL QUANTITY	QUANTITY SHIPPED	CTNS	NET WEIGHT	TOTAL WEIGHT
1	CBL-460 LOOP SLEEVE Z.P.COPPER LOOP SLEEVE FOR 1/16" CABLE Cust Order #: PO038600 Country Of Origin: US	100.000	100.000	100	.30	1.30
3	KBP-504 3/8-24 NON-LOCKING SS PULL INDEXING PLUNGER Cust Order #: PO038600 Country Of Origin: DE	29.000	29.000	29	1.36	2.36
4	BLRS-002A B154873 3/16 X 1-1/2 SS BL PIN R - HANDLE Cust Order #: PO038600 Country Of Origin: US	12.000	12.000	12	.30	1.30
5	KCL-208	20.000	20.000	20	3.20	4.20

Certificate of Compliance

This is to certify that the above material shipped against your purchase order is in conformance with all known requirements, specifications and drawings in effect at the time of manufacture. All applicable physical, functional, dimensional and material test reports are on file at our facility, and may be inspected by your representative upon request.

Richard Queer
Quality Assurance Manager



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CANADA

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DART AEROSPACE LTD
1270 ABERDEEN STREET
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CANADA

LINE NO	PART NO. DESCRIPTION	ORIGINAL QUANTITY	QUANTITY SHIPPED	CTNS	NET WEIGHT	TOTAL WEIGHT
	CAM LEVER					
	2.77 SS ADJ CAM LEVER 1/4-20 X					
	1.18 STUD					
	Cust Order #: PO038600					
	Country Of Origin: DE					
6	CBL-1240	1.000	1.000	1	1.50	2.50
	1/16" 7 X 7 STEEL CABLE 100 FOOT LGNTH					
	1/16" 7 X 7 STEEL CABLE 100 FT LGNTH NYLON COATED					
	Cust Order #: PO038600					
	Country Of Origin: US					

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Quality Assurance Manager